

**SPEECH OR  
SIGNAL INPUTS**



### REPLACEMENT SOUND INPUTS



## AUTOCONTROL



VOICED	UNVOICED
<input type="checkbox"/>	<input type="checkbox"/>
ONLY	ONLY



**MIC ON**



## MIC 200 Ω SYM



## LINE + 6dB



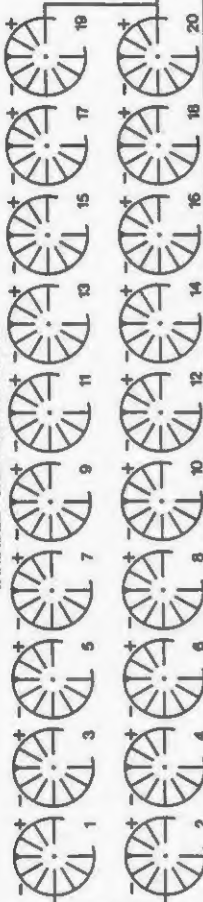
## SPEECH ENVELOPE



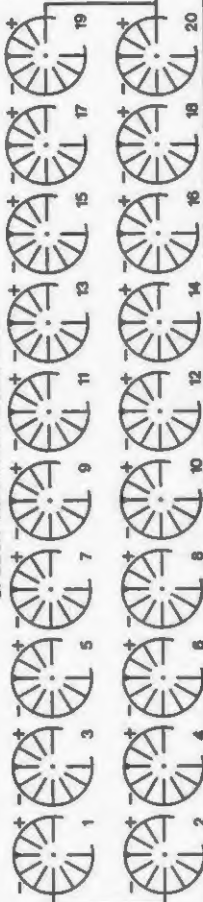
## VOICE MODE DETECTOR



## VARIABLE CHANNEL EMPHASIS



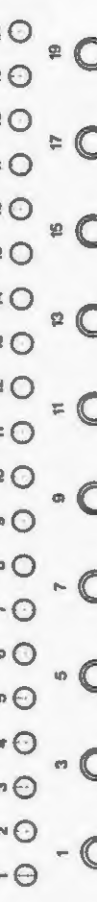
**SPEECH ADDITION / MULTIFILTER**



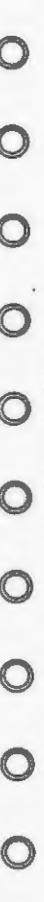
## SILENCE BRIDGING



## THRESHOLD



## CHANNEL ENVELOPES

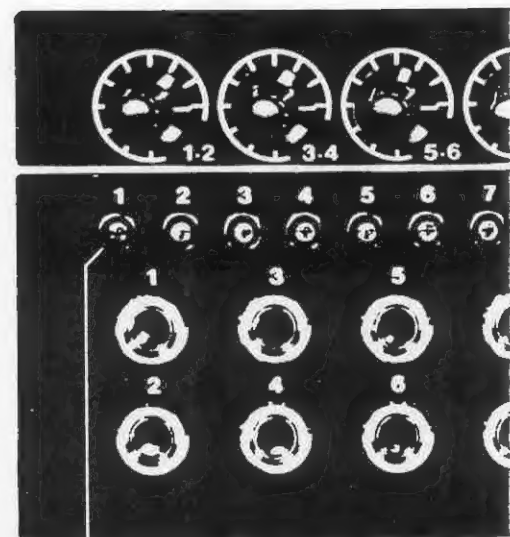
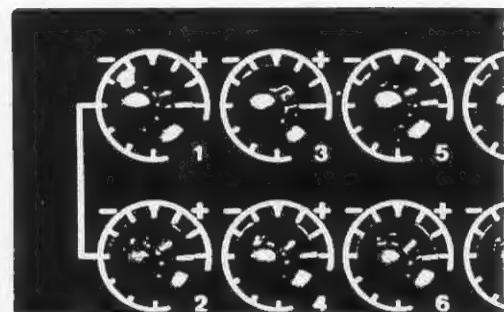
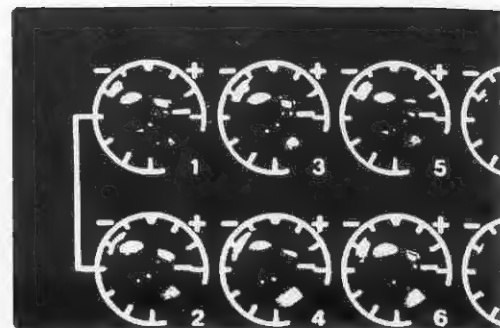
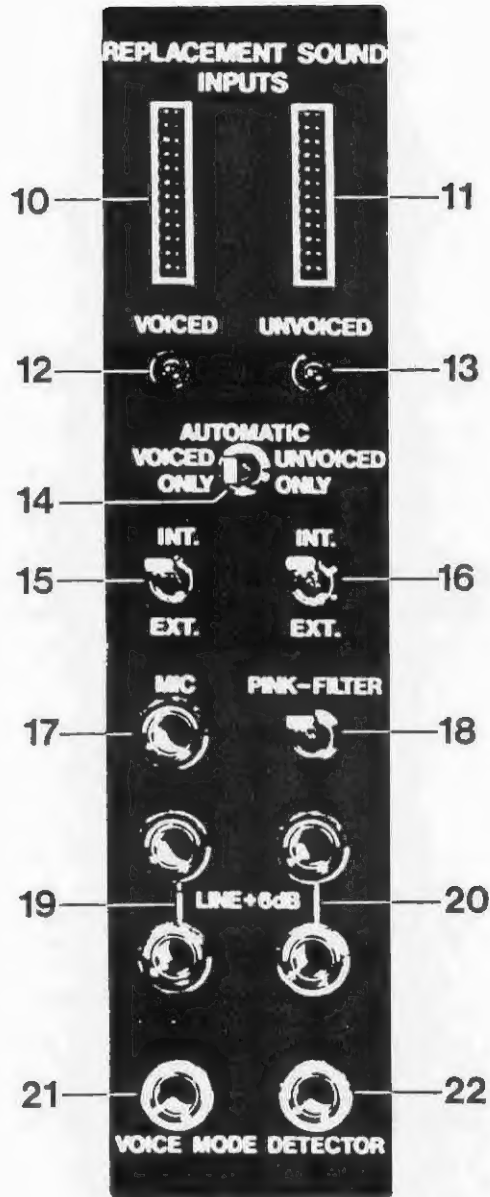
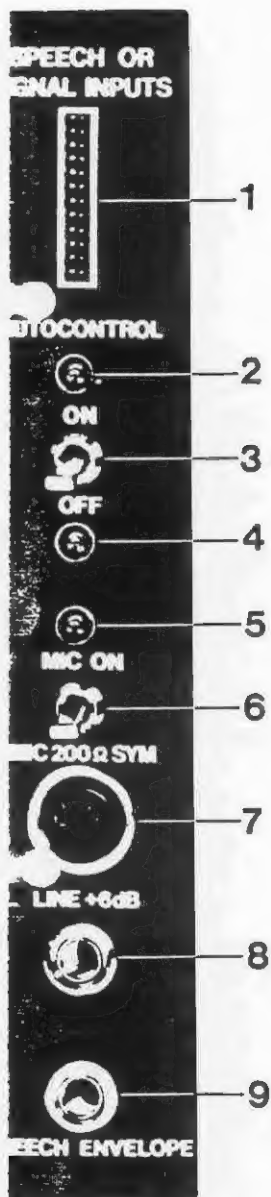


## SPEECH DETECTOR



## OUTPUT

KENNHEISER  
ENCODER VSM 201



23

24

25

26

## VARIABLE CHANNEL EMPHASIS


**SENNHEISER**  
 VOCODER VSM201

 VOC  
 OFF NORMAL


28

29

30

31

## SPEECH ADDITION / MULTIFILTER

 BYPASS  
 SPEECH OFF R.SOUND

 MULTIFILTER  
 OR ADDITION  
 OFF

1-20

33

34

35

37

38

39

40

## SILENCE BRIDGING

 BRIDGING  
 OFF

1-20

## THRESHOLD

## VOLUME

600  $\Omega$  SYM
 SPEECH  
 DETECTOR

OUTPUT

## CHANNEL ENVELOPES

43

44

45

47

48

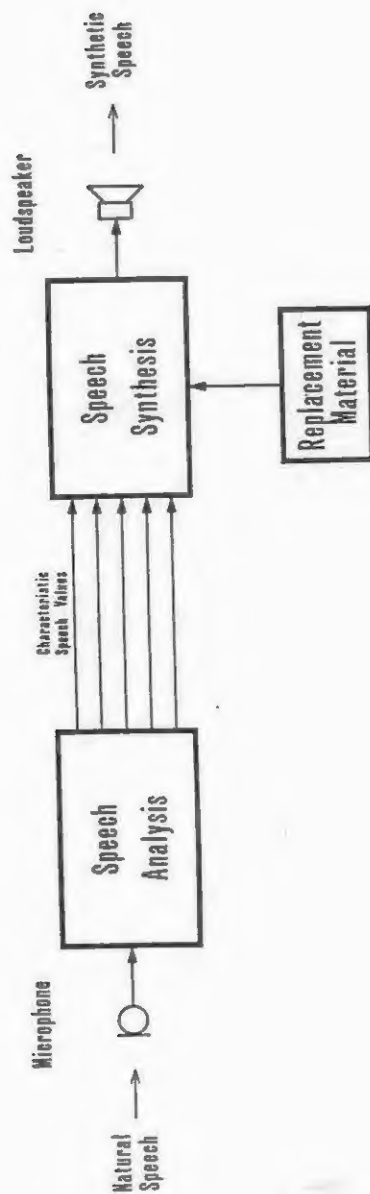


Illustration 3

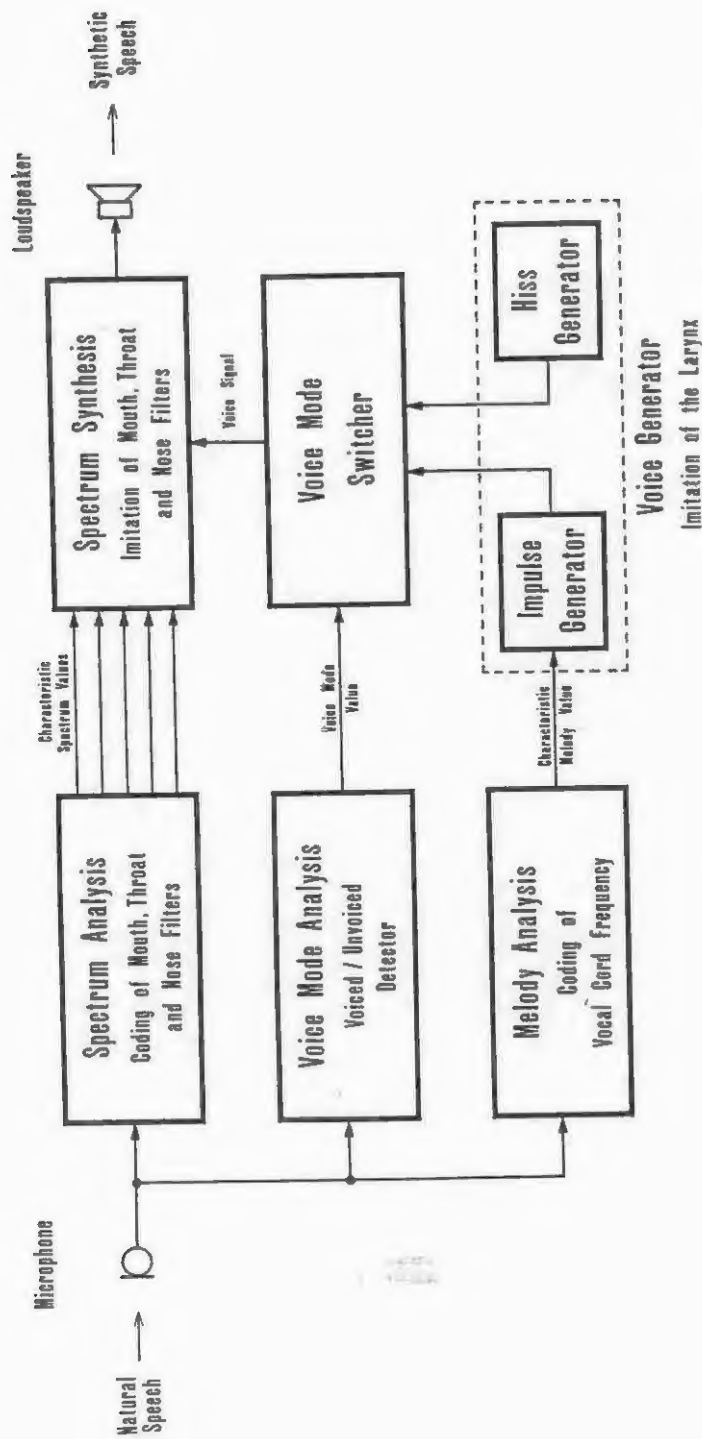
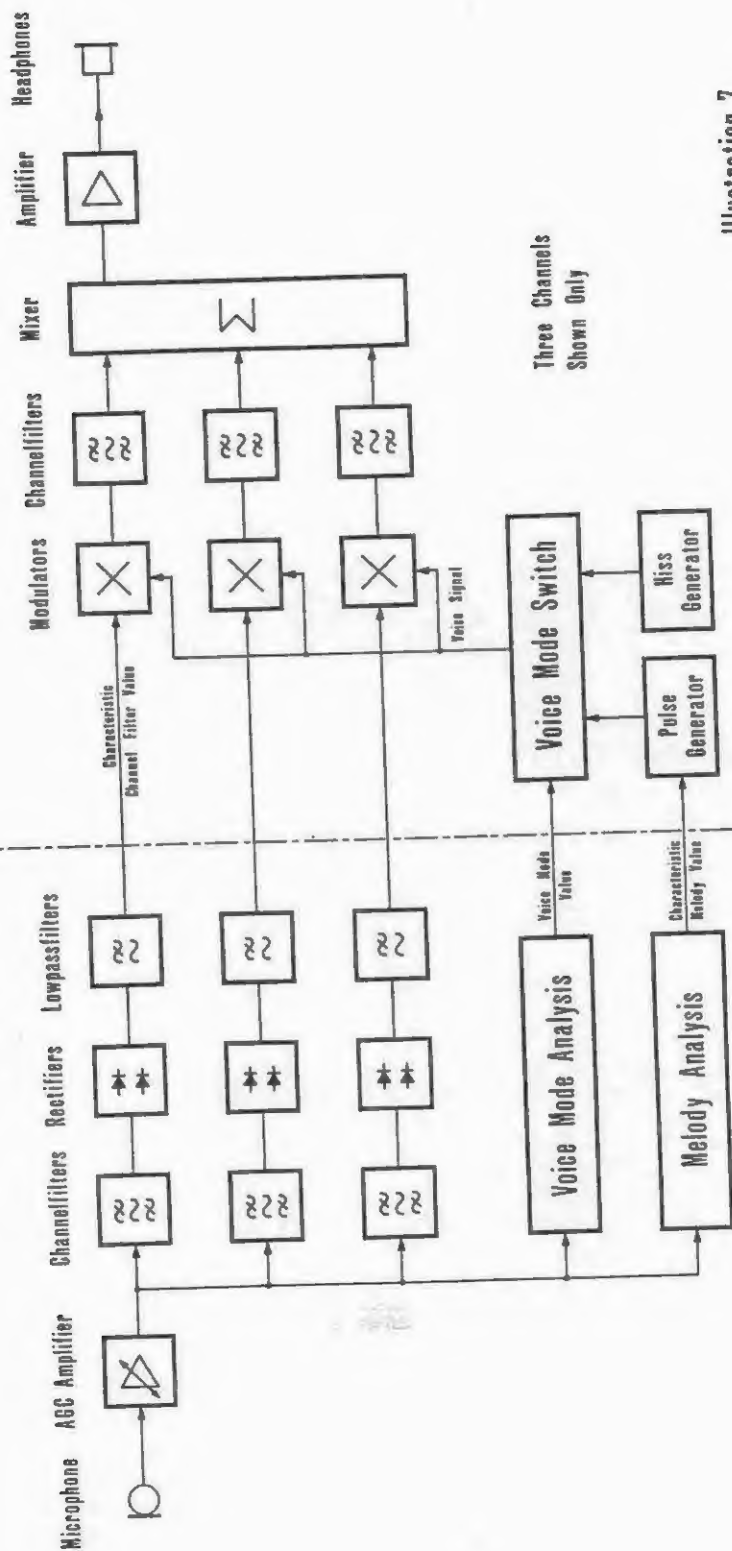


Illustration 6

# Synthesis

## Analysis

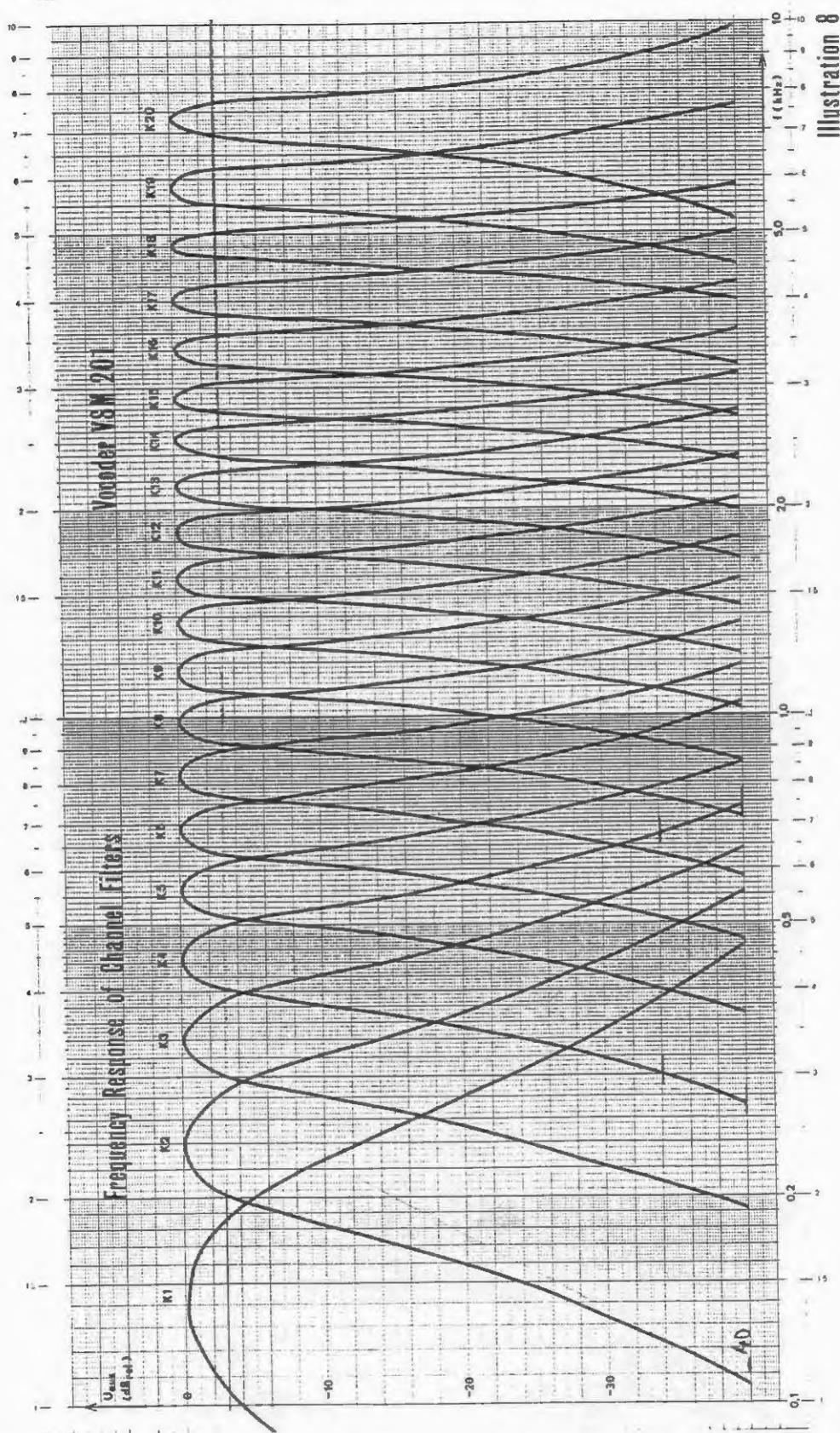


Three Channels  
Shown Only

Illustration 7

# Frequency Response of Channel Filters

Vocoder VSM 201





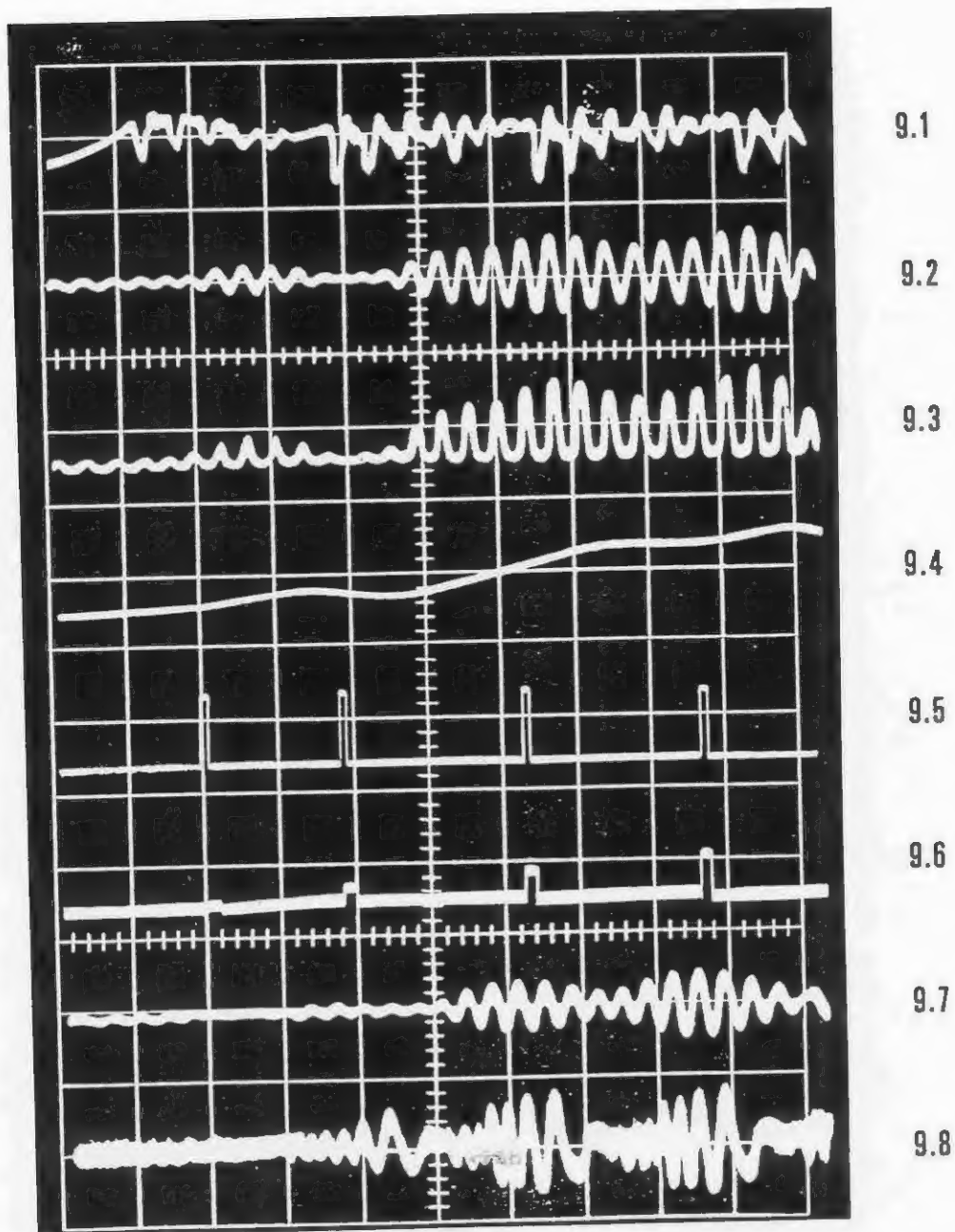


Illustration 9





## Male Voice

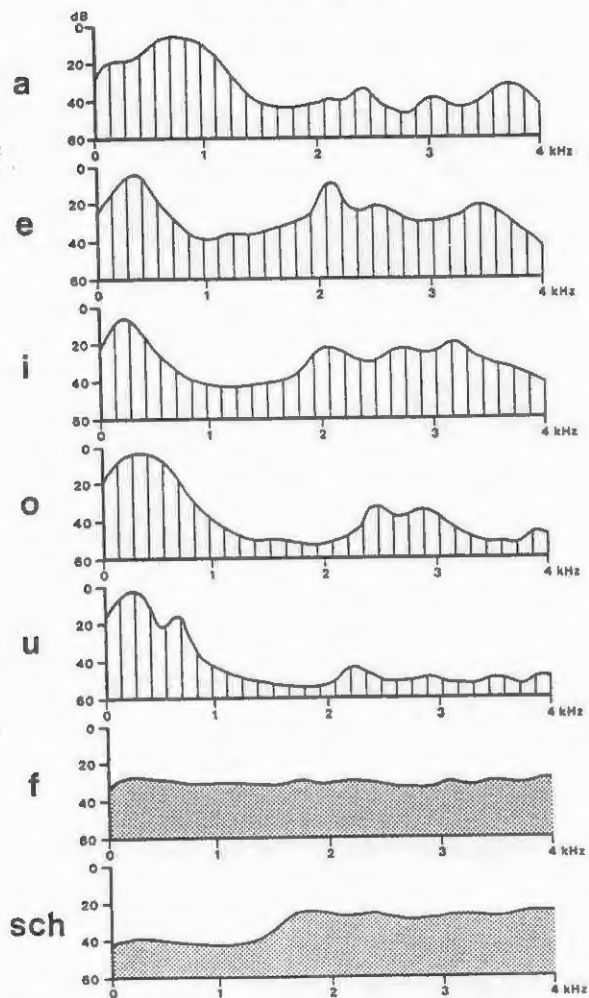


Illustration 4

## Female Voice

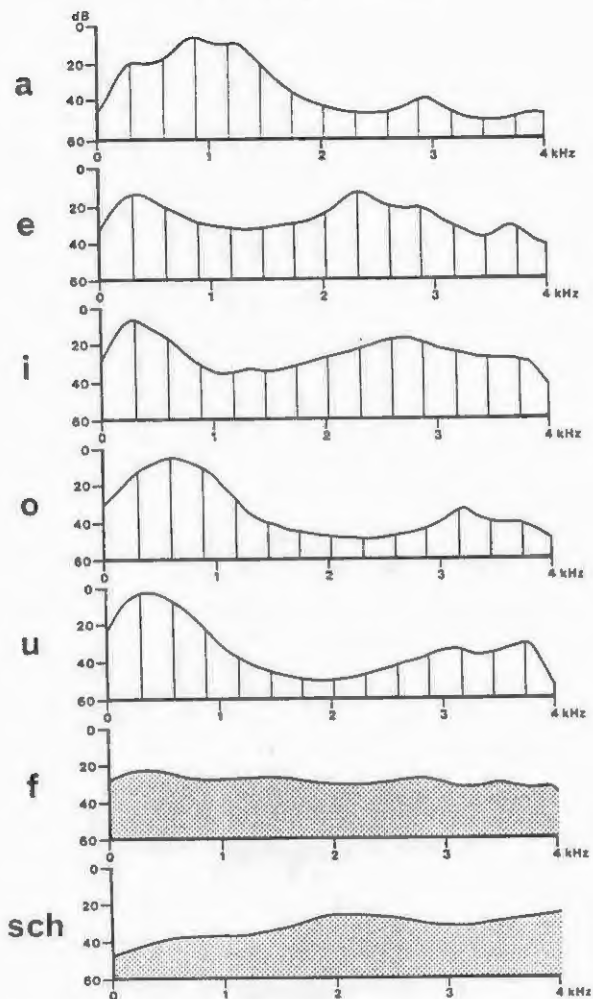


Illustration 5